



## Quality of surface water sources from a central Transylvanian area as a possible problem for human security and public health

**Author(s):** Gurzau AE, Popovici E, Pinteana A, Popa O, Pop C, Dumitrascu I  
**Year:** 2010  
**Journal:** Carpathian Journal of Earth and Environmental Sciences. 5 (2): 119-126

### Abstract:

As a fundamental human right "sufficient, safe, acceptable, physically accessible and affordable water for personal and domestic uses" is vital for all. Drinking water must have a quality that promotes and protects public health, the safe water expressing the accordance to the maximum admissible limits of the relevant water parameters for human health. Industry and agriculture are considered as having the greatest impact on the quality and quantity of water and an overwhelming majority of Europeans think that climate change will have an impact on the water resources. In Romania, most of the water sources are surface waters (lakes and rivers). The process of providing safe drinking water has relied on the protection of water sources, the application of the specific treatment technologies and the protection and maintaining quality in the distribution system. The health risk factors which can be associated with a drinking water treatment plant are related to: water contamination during treatment steps, final disinfection efficiency, distributed water quantity and distribution continuity, all these factors contributing to the presence or absence of the waterborne diseases, influencing human security and public health.

**Source:** Ask your librarian to help locate this item.

### Resource Description

#### Exposure :

weather or climate related pathway by which climate change affects health

Food/Water Quality, Food/Water Security

**Food/Water Quality:** Chemical, Pathogen

#### Geographic Feature:

resource focuses on specific type of geography

Freshwater

#### Geographic Location:

resource focuses on specific location

Non-United States

**Non-United States:** Europe

# Climate Change and Human Health Literature Portal

**European Region/Country:** European Country

**Other European Country :** Romania

**Health Impact:** 

specification of health effect or disease related to climate change exposure

Infectious Disease

**Infectious Disease:** Foodborne/Waterborne Disease

**Foodborne/Waterborne Disease:** General Foodborne/Waterborne Disease

**Mitigation/Adaptation:** 

mitigation or adaptation strategy is a focus of resource

Adaptation

**Population of Concern:** A focus of content

**Population of Concern:** 

populations at particular risk or vulnerability to climate change impacts

Low Socioeconomic Status

**Resource Type:** 

format or standard characteristic of resource

Research Article

**Timescale:** 

time period studied

Time Scale Unspecified

**Vulnerability/Impact Assessment:** 

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

A focus of content